






Artificial neural canal

Patent number: CN1237914
Publication date: 1999-12-08
Inventor: YASUHIKO SHIMIZU (JP)
Applicant: SHIMIZU YASUHIKO (JP)
Classification:
- **International:** A61L27/00; A61F2/04
- **European:** A61L27/34; A61L27/58; A61L31/04B; A61L31/06;
A61L31/10; A61L31/16
Application number: CN19970199928 19971119
Priority number(s): JP19960308854 19961120

Also published as:

 EP0945145 (A1)
 WO9822155 (A1)
 US6090117 (A1)
 EP0945145 (A4)
 CA2272094 (A1)

more >>

Report a data error here

Abstract not available for CN1237914.

Abstract of correspondent: **EP0945145**

The present invention offers an artificial tube for nerve which can remain in the body until the nerve regenerates while does not remain as a foreign body in the body following nerve regeneration, and which induces axons regenerated from severed nerve stumps, can promote infiltration of blood capillaries from the body and regeneration of nerve tissue. The present invention comprises a tube 10 or 20 having coating layers 12, 13 or 22, 23 composed of gelatin or collagen on the inner and outer surfaces of a tube 11 or 21 composed of a material being biodegradable and absorbable in vivo, and a collagen body 30 or 40 having cavities 32, 33 or 41 which pass through said tube so as to be substantially parallel to the axis of said tube; wherein, said cavities are filled with a matrix gel.

Data supplied from the **esp@cenet** database - Worldwide